

Claims

1. A delivery simulator (1), characterized in that it  
5 comprises:
  - a fetal system (2) designed to simulate the  
behavior of at least one part of a fetus during  
10 delivery,
  - a maternal system (3) designed to simulate the  
behavior of at least one part of the mother's  
body interacting with the fetus, this maternal  
15 system comprising at least one membrane (5)  
subjected to the pressure of a fluid.
2. A delivery simulator, characterized in that it  
comprises:
  - 20 - a fetal system (2) comprising at least a fetal  
head (4), this fetal system being designed to  
simulate the behavior of at least one part of a  
fetus,
  - 25 - a maternal system (3) designed to simulate the  
behavior of at least one part of the mother's  
body interacting with the fetus, and
  - 30 - a device (34) for establishing the position of  
at least one point, in particular at least two  
or three points, of the fetal head and/or of at  
least one obstetrics instrument.
3. A delivery simulator, characterized in that it  
35 comprises:
  - a fetal system (2) comprising at least a fetal  
head (4), this fetal system being designed to  
simulate the behavior of at least one part of a

fetus, the fetal head (4) being connected to an actuator (8) designed to exert a force on the fetal head (4), and

- 5       - a maternal system (3) designed to simulate the behavior of at least one part of the mother's body interacting with the fetus.
- 10       4.   The simulator as claimed in claim 1, characterized in that it comprises a pneumatic or hydraulic device (11) designed to subject the membrane or membranes (5) of the maternal system (3) to a predetermined pressure during a delivery simulation.
- 15       5.   The simulator as claimed in any one of the preceding claims, characterized in that the fetal system (2) comprises at least a fetal head (4), preferably made of a semi-rigid, deformable biomimetic material, and, if appropriate, a fetal body.
- 20       6.   The simulator as claimed in any one of the preceding claims, characterized in that the maternal system (3) comprises at least one membrane (5) made of a flexible and deformable biomimetic material.
- 25       7.   The simulator as claimed in any one of the preceding claims, characterized in that the maternal system (3) comprises a part (6) simulating the behavior of the female pelvis.
- 30       8.   The simulator as claimed in claim 2, characterized in that the device (34) for establishing the position of at least one point of the fetal head and/or of an obstetrics instrument (4) comprises at least one marker element (33) positioned on the fetal head and/or on the obstetrics instrument and
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at least one fixed element linked to this marker element and placed at a distance from the fetal head and/or from the obstetrics instrument.

- 5    9.    The simulator as claimed in any one of the preceding claims, characterized in that it comprises a device (7) for positioning the fetal head (4), in particular a mechanical or electromechanical device.
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10.    The simulator as claimed in any one of the preceding claims, characterized in that one zone at least of the fetal system (2) comprises at least one pressure sensor (30) designed to deliver information relating to the pressure exerted on this zone.
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11.    The simulator as claimed in any one of the preceding claims, characterized in that one zone at least of the maternal system comprises at least one pressure sensor (30) designed to deliver information relating to the pressure exerted on this zone.
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12.    The assembly comprising a delivery simulator, as claimed in any one of the preceding claims, and an obstetrics instrument, in particular forceps.
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13.    The assembly as claimed in the preceding claim, characterized in that the obstetrics instrument comprises at least one pressure sensor.
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